

**HARMONIC STABILIZER SYSTEM FOR RIFLE BARREL AND A RIFLE EQUIPPED
THEREWITH**

ABSTRACT

5 A spring, which may be either a coil spring or a leaf spring, provides an adjustable stabilization force to the barrel of a rifle to tune out harmonic vibrations resulting from firing a particular bullet from the weapon. This tuning enables the scatter pattern for any bullet fired from any rifle to be significantly tightened from the resultant improved accuracy of the weapon.